

jc525 U.S. PTO  
05/24/99

ATTORNEY'S DOCKET NO. CIS99-1267

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Hamesh Chawla and John G. Waclawsky, Ph.D.  
Serial No.: Unassigned  
For: APPARATUS AND METHODS FOR DYNAMIC BANDWIDTH  
ALLOCATION  
Filing Date: May 24, 1999  
Examiner: Unassigned  
Art Unit: Unassigned

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09/31/98  
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UTILITY PATENT APPLICATION TRANSMITTAL

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BOX PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is a patent application entitled:

**APPARATUS AND METHODS FOR DYNAMIC BANDWIDTH ALLOCATION**

05/24/99

**Named Inventor(s) / Inventor Addresses / Inventor Citizenship:**

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**Enclosed is/are:**

- [x] Transmittal Letter including fee calculations (this form, 3 pages) (in duplicate), Total Pages: 6
- [x] Utility Patent Application Specification including Title of the Invention, Background of the Invention, Summary of the Invention, Brief Description of the Drawings, Detailed Description, 33 Claims (9 Independent, 24 dependent), Abstract of the Disclosure, Total Pages: 50
- [x] Drawings: [x] Formal, [ ] Informal (Figs: 1, 2, 3, 4, 5, 6A, 6B, 7, 8A, 8B, 9A, 9B), Total Sheets: 9
- [x] Newly Executed Oath/Declaration/Power Of Attorney, Total Pages: 3
- [x] Assignment Papers (Recordation Cover Sheet 1 page, Copy of Assignment Document 3 pages), Total Pages: 4
- [x] Information Disclosure Statement 2 pages and PTO-1449 Form 1 page, Copy of References ( 2 Reference Documents)
- [x] Return Receipt Postage Pre-paid Postcard (in duplicate), Total postcards: 2
- [x] Authorization to charge deposit account, if required.
- [x] Check in the amount of: \$1,502.00, with fee amounts calculated as follows:

CLAIMS	Number Filed	Number Extra	Rate	Calculations
Total Claims	33 - 20 =	13	x \$18	\$234.00
Independent Claims	9 - 3 =	6	x \$78	\$468.00
Multiple Independent Claims			+ 260 =	\$0.00
BASIC FILING FEE =				\$760.00
Total of Above Calculations =				\$1462.00
Assignment Recordation Fee =				\$40.00
TOTAL FEE FOR THIS PATENT APPLICATION =				\$1,502.00

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If the enclosed fee is insufficient, the balance may be charged to the account of the undersigned, U.S.P.T.O. Deposit Account No. 50-0901.

If the enclosed papers or fees are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned collect at (508) 366-9600 in Westborough, Massachusetts.

Respectfully submitted,

By: Barry W. Chapin  
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